



Standards *Actions*

DOE Technical Standards Recently Sent for Coordination

The appropriate Technical Standards Managers (TSMs) will provide selected reviewers with copies for comment. The full text of this document is available on the Technical Standards Program (TSP) Internet site at the URL shown at the bottom of this page. If you wish to comment on this document, please notify your TSM.

- *Integrated Safety Management Systems Verification (ISMSV) Process, Team Leader's Handbook*, Project Number SAFT-0065; Jeffry Roberson, DP-45; 301-903-8026, jeffry.roberson@dp.doe.gov.

DOE Documents Recently Published

The following DOE documents have recently been published:

- *DOE-HDBK-1113-97, Radiological Safety Training for Uranium Facilities*, February 1998.

DOE employees and DOE contractors may obtain copies from the DOE Office of Scientific and Technical Information (OSTI), P.O. Box 62, Oak Ridge, Tennessee 37831; telephone 423-576-8401 or FAX 423-576-5728.

Subcontractors and the general public may obtain copies from the U.S. Department of Commerce, Technology Administration, National Technical Information Service, Springfield, Virginia 22161; telephone 703-605-6000 or FAX 703-321-8547.

Copies of DOE technical standards (i.e., DOE Standards, Specifications, Handbooks, and Technical Standards Lists) are also available on the Internet at the address shown at the bottom of this page.

Non-Government Standards

American National Standards Institute

The American National Standards Institute (ANSI) publishes coordination activities of non-Government standards (NGS) biweekly in *ANSI Standards Action*. Please note that distribution of *ANSI Standards Action* is normally made only to individual members of ANSI or in group mailings to site members of ANSI. For informa-

tion on site membership, ask your local ANSI contact. For information on individual or group ANSI membership, call Susan Bose at 212-642-4948, Email sbose@ansi.org. For further information on distribution policies of ANSI publications, call the ANSI distribution manager at 212-642-4952.

Copies of *ANSI Standards Action* and ANSI-published documents may be obtained from ANSI, 11 West 42nd Street, New York, NY 10036 (212-642-4900, FAX 212-302-1286). Comments on listed draft standards may be submitted by contacting the standards developing organization for information.

The following listings are extracted from *ANSI Standards Action* and are representative of NGS development activities that may be relevant to DOE operations. Refer to *ANSI Standards Action* for a complete listing of changes and new publications, standards developing organizations, and additional information about submitting comments. Additional information

on ANSI activities and available non-Government standards can be found on the ANSI Internet site (<http://web.ansi.org>) or through the National Standards System Network (<http://www.nssn.org>).

The following American National Standards are currently in coordination:

- A250.9-1998, *Installation for Insulated Steel Door Systems* (new standard); comments due June 9, 1998.
- ASME B30.16, *Overhead Hoists (Underhung)* (revision of ANSI/ASME B30.16-1993); comments due May 26, 1998.
- ASME B31.1, *Power Piping* (revision of ANSI/ASME B31.1-1995); comments due May 26, 1998.
- ASSE Standard 1062, *Performance Requirements for Temperature Actuated, Flow Reduction (TAFR) Valves* (new standard); comments due June 23, 1998.
- ASTM A956, *Test Method for Euotip Hardness Testing of Steel Products* (new standard); comments due June 23, 1998.
- ASTM A985, *Specification for Steel Investment Castings, General Requirements, for Pressure-Containing Parts* (new standard); comments due June 23, 1998.
- ASTM B163, *Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes* (revision of ANSI/ASTM B163-97A); comments due June 9, 1998.

Technical Standards Program Document Status as of 4/30/98

In Conversion	In Preparation	Out for Comment	Published in Past 30 Days
4	55	21	1

Total in process = 76



Visit the Technical Standards Program Web Site: <http://apollo.osti.gov/html/techstds/techstds.html>

- ASTM D396, *Specification for Fuel Oils* (revision of ANSI/ASTM D396-97); comments due June 9, 1998.
- ASTM D5048, *Test Method for Measuring the Comparative Burning Characteristics and Resistance to Burn-Through of Solid Plastics Using 125-mm Flame* (new standard); comments due June 23, 1998.
- ASTM D5632, *Specification for Halon 1301, Bromotrifluoromethane (CF₃BR)* (new standard); comments due June 23, 1998.
- ASTM E36, *Test Method for Behavior of Materials in a Vertical Tube Furnace at 750°C* (revision of ANSI/ASTM E36-96A); comments due June 9, 1998.
- ASTM E76, *Terminology of Fire Standards* (revision of ANSI/ASTM E76-97C); comments due June 9, 1998.
- ASTM E177, *Practice for Use of the Terms Precision and Bias in ASTM Test Methods* (new standard); comments due June 23, 1998.
- ASTM E230, *Specification for Temperature - Electromotive Force (EMF) Tables for Standardized Thermocouples* (revision of ANSI/ASTM E230-96); comments due June 9, 1998.
- ASTM E833, *Terminology of Building Ergonomics* (revision of ANSI/ASTM E833-97); comments due June 9, 1998.
- ASTM E1402, *Terminology Relating to Sampling* (new standard); comments due June 23, 1998.
- ASTM E1836, *Classification for Building Area Measurements* (new standard); comments due June 9, 1998.
- ASTM F856, *Practice for Symbols - Heating, Ventilation, and Air Conditioning (HVAC)* (new standard); comments due June 23, 1998.
- ASTM Z5002Z, *Test Method for Alkali Resistance of Glass Fiber Reinforcing Mesh for Use in Exterior Insulation and Finish Systems (EIFS), Class Pd* (new standard); comments due June 9, 1998.
- ASTM Z5819Z, *Specification for Performance of Anchors in Cracked and Uncracked Concrete* (new standard); comments due June 9, 1998.
- ASTM Z6672Z, *Practice for Measuring Cost Risk of Buildings and Building Systems* (new standard); comments due June 9, 1998.
- ASTM Z6856Z, *Test Method for Fire Resistive Joint Systems* (new standard); comments due June 9, 1998.
- ASTM Z6951Z, *Test Method for Measurement of Smoke Obscuration Using a Conical Radiant Source in a Single Closed Chamber, with the Test Specimen Oriented Horizontally* (new standard); comments due June 9, 1998.
- ASTM Z7231Z, *Test Method for Determination of Water in Petroleum Products, Lubricating Oils, and Additives by Coulometric Karl Fischer Titration* (new standard); comments due June 9, 1998.
- ASTM Z7239Z, *Practice for Total Quality Assurance in the Petroleum Products and Lubricants Testing Laboratories* (new standard); comments due June 9, 1998.

- ASTM Z7240Z, *Practice for Applying Statistical Quality Assurance Techniques to Evaluate Analytical Measurement System Performance* (new standard); comments due June 9, 1998.
- ISO/ASQC S11095, *Linear Calibration Using Reference Materials* (new standard); comments due May 26, 1998.
- NECA 100, *Symbols for Electrical Construction Drawings* (new standard); comments due May 26, 1998.
- UL 1685, *Standard for Safety for Vertical-Tray Fire Propagation and Smoke-Release Tests for Electrical and Optical-Fiber Cables* (new standard); comments due May 26, 1998.
- UL 1812, *Standard for Safety for Ducted Heat Recovery Ventilators* (new standard); comments due June 23, 1998.
- Z365, *Control of Cumulative Trauma Disorders* (new standard); comments due May 26, 1998.

The following newly published American National Standards are available from ANSI:

- ANSI/(NFPA) T3.5.28 R1-1997, *Hydraulic Fluid Power - Valves - Pressure Differential-Flow Characteristic - Method of Measuring and Recording*.
- ANSI/(NFPA) T3.16.2 R1-1997, *Hydraulic Fluid Power - Design for Nonintegral Industrial Reservoirs*.

The following international standards are currently in coordination (comment due dates follow each entry):

- ISO/DIS 4266-1, *Petroleum and liquid petroleum products - Measurement of level and temperature in storage tanks by automatic methods - Part 1: Measurement of level in atmospheric tanks*, June 19, 1998.
- ISO/DIS 10432, *Petroleum and natural gas industries - Subsurface safety valve equipment - Specification*, June 19, 1998.
- ISO/DIS 14520-1, *Gaseous fire-extinguishing systems - Physical properties and system design - Part 1: General requirements*, June 12, 1998.
- prEN 13167, *Thermal insulation products for buildings - Factory made cellular glass products - Specification* - August 5, 1998.

The following newly published international standards are available from ANSI:

- IEC 60904-6 Amd. 1 Ed. 1.0 b:1998, *Amendment 1 - Photovoltaic devices - Part 6: Requirements for reference solar modules*.
- IEC 61229 Amd. 1 Ed. 1.0 b:1998, *Amendment 1 - Rigid protective covers for live working on a.c. installations*.
- IEC 61298-3 Ed. 1.0 b:1998, *Process measurement and control devices - General methods and procedures for evaluating performance - Part 3: Tests for the effects of influence quantities*.
- IEC 61345 Ed. 1.0 b:1998, *UV test for photovoltaic (PV) modules*.
- IEC 61560 Ed. 1.0 b:1998, *Radiation protection instrumentation - Apparatus for non-destructive radiation tests for fur and other cloth samples*.

- IEC 61643-1 Ed. 1.0 b:1998, *Surge protective devices connected to low-voltage power distribution systems - Part 1: Performance requirements and testing methods*.
- IEC 61788-1 Ed. 1.0 b:1998, *Superconductivity - Part 1: Critical current measurement - DC critical current of Cu/Nb-Ti composite superconductors*.
- ISO 8566-4:1998, *Cranes - Cabins - Part 4: Jib cranes*.
- ISO 9241-11:1998, *Ergonomic requirements for office work with visual display terminals (VDTs) - Part 11: Guidance on usability*.
- ISO 9692-2:1998, *Welding and allied processes - Joint preparation - Part 2: Submerged arc welding of steels*.
- ISO 10972-1:1998, *Cranes - Requirements for mechanisms - Part 1: General*.
- ISO 12241:1998, *Thermal insulation for building equipment and industrial installations - Calculation rules*.
- ISO 13567-2:1998, *Technical product documentation - Organization and naming of layers for CAD - Part 2: Concepts, format and codes used in construction documentation*.

American Society for Testing and Materials

Standards activities of the American Society for Testing and Materials (ASTM) are published monthly in *ASTM Standardization News*. Orders for subscriptions or single copies of *ASTM Standardization News* may be submitted to ASTM, Subscription Dept.-SN, 100 Barr Harbor Drive, West Conshohocken, Pennsylvania 19428-2959. For information regarding ASTM membership, contact the Membership Services Department at 610-832-9691 (FAX 610-832-9667). ASTM publications may be ordered from the ASTM Customer Services Department at 610-832-9585 (FAX 610-832-9555). Comments on listed draft standards may be submitted by contacting the ASTM Standards Coordination Department at the above address. Questions may be addressed to the Technical Committee Operations Division at 610-832-9672 (FAX 610-832-9666). Additional information on ASTM activities is available on the ASTM Internet site (<http://www.astm.org>). The following listings are extracted from *ASTM Standardization News* and are representative of NGS development activities that may be relevant to DOE operations.

The following ASTM standards are currently in coordination:

(the due date for all items is May 10, 1998).

- New Standard, *Methods of Test for Measurement of Material Flammability Using a Fire Propagation Apparatus* (Ref. Z3263Z).
- New Standard, *Test Method for Determining Connection Strength Between Geosynthetic Reinforcement and Segmental Concrete Units* (Ref. Z4278Z).
- New Standard, *Test Method for Laboratory Determination of Time of Setting of Hydraulic-Cement Mortars Containing Additives for Shotcrete by the Use of Gillmore Needles* (Ref. Z4619Z).
- New Standard, *Guide for Determining Uniformity of Ingredients of Concrete From a Single Source* (Ref. Z5249Z).
- New Standard, *Practice for Disclosure of Environmental Pollution Liabilities* (Ref. Z5860Z).

- New Standard, *Guide for Field Filtration of Ground-Water Samples* (Ref. Z6215Z).
- New Standard, *Test Method for Evaluation of Flame Resistant Clothing for Protection Against Flash Fire Simulations Using an Instrumented Manikin* (Ref. Z6289Z).
- New Standard, *Test Method for Obtaining Average Residual-Strength of Fiber-Reinforced Concrete* (Ref. Z6818Z).
- New Standard, *Specification for Long Barbed Tape Obstacles* (Ref. Z6839Z).
- New Standard, *Guide for Selection of Drilling Methods for Environmental Site Characterization* (Ref. Z6866Z).
- New Standard, *Test Methods for Natural Gas Odor Intensity* (Ref. Z6944Z).
- New Standard, *Test Method for Mercury Sampling and Analysis in Natural Gas by Atomic Fluorescence Spectroscopy* (Ref. Z6945Z).
- New Standard, *Practice for Reporting Results From Methods of Chemical Analysis* (Ref. Z6957Z).
- New Standard, *Practice for Estimating Environmental Costs and Liabilities* (Ref. Z6985Z).
- New Standard, *Specification for Castings, Austenitic-Ferritic (Duplex) Stainless Steel, for Pressure-Containing Parts* (Ref. Z7279Z).
- A 356/A 356M-96, *Specification for Steel Castings, Carbon, Low Alloy, and Stainless Steel, Heavy-Walled for Steam Turbines* (revised standard).
- A 414/A 414M-97, *Specification for Steel Sheet, Carbon, for Pressure Vessels* (revised standard).
- B 628-83(1993), *Specification for Silver-Copper Eutectic Electrical Contact Alloy* (revised standard).
- D 2487-93, *Classification of Soils for Engineering Purposes (Unified Soil, Classification System)* (revised standard).
- D 5088-90, *Practice for Decontamination of Field Equipment Used at Nonradioactive Waste Sites* (revised standard).
- D 5730-97, *Guide to Site Characterization for Environmental Purposes With Emphasis on Soil, Rock, the Vadose Zone and Ground Water* (revised standard).

The following newly published standards are available from ASTM:

- D 1356-97a, *Terminology Relating to Sampling and Analysis of Atmospheres* (revised standard).
- D 6002-96, *Guide for Assessing the Compostability of Environmentally Degradable Plastics* (new standard).
- D 6003-96, *Test Method for Determining Weight Loss from Plastic Materials Exposed to a Simulated Municipal Solid-Waste (MSW) Aerobic Compost Environment* (new standard).
- D 6135-97, *Practice for Application of Self-Adhering Modified Bituminous Waterproofing* (new standard).
- D 6138-97, *Test Method for Determination of Corrosion-Preventive Properties of Lubricating Greases Under Dynamic Wet Conditions (Emcor Test)* (new standard).

American National Standards Projects Initiated

The following is a list of proposed new American National Standards or revisions to existing American National Standards submitted to ANSI by accredited standards developers. DOE employees or contractors interested in participating in these activities should contact the appropriate standards developing organization. DOE-TSL-4 lists the DOE representatives on NGS committees. If no DOE representative is listed, contact the TSPO for information on participating in NGS activities.

American Society of Mechanical Engineers (ASME)

Office: 345 East 47th Street
M/S 10C
New York, NY 10017

Fax: 212-705-8501

Contact: Melissa Aranzamendez

E-mail: aranzamendezm@asme.org

- ASME A41, *Manually Powered Suspension Systems* (new standard).

American Society of Safety Engineers

Office: 1800 East Oakton Street
Des Plaines, IL 60018-2187

Fax: 847-296-9221

Contact: Thomas Bresnahan

E-mail: 73244.562@compuserve.com

- ASSE Z590, *Criteria for Establishing Levels of Competence and Certification in the Safety Profession* (new standard).

American Society for Testing Materials

Office: 100 Barr Harbor Drive
West Conshohocken, PA 19428

Fax: 610-832-9666

Contact: George Luciw

E-mail: gluciw@astm.com

- ASTM Z1950Z, *Test Method for Determination of Radon Decay Product Concentration and Working Level in Indoor Air Atmosphere by Sampling on a Filter* (new standard).

Underwriters Laboratories, Inc.

Office: 333 Pfingsten Road
Northbrook, IL 60062-2096

Fax: 847-509-6217

Contact: Mitchell Gold

E-mail: goldm@ul.com

- UL 340, *Standard for Safety for Tests for Comparative Flammability of Liquids* (new standard).

Comments, Questions, and Addresses

Comments: If you have any questions or comments, please contact Rick Serbu, EH-31, Manager, DOE Technical Standards Program Office (TSPO), 301-903-2856, FAX 301-903-6172, Email Richard.Serbu@eh.doe.gov. If you have any questions or comments on DOE standards projects, please contact Don Spellman, Oak Ridge National Laboratory (ORNL), 423-574-7891, FAX 423-574-0382, Email spellmandj@ornl.gov.

Addresses: To update our distribution list, please contact Marty Marchbanks, ORNL, 423-241-3658, FAX 423- 574-0382, Email mmf@ornl.gov.

Technical Standards Activities: The TSPO would like to be kept informed of the status of technical standards that are being prepared or coordinated for DOE. Please provide this information to the TSPO at 423-574-7886, Email lj8@ornl.gov.



Standards *Actions*

United States Department of Energy

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